

# Notice of Allowability

Application No.

09/820,826

Examiner

YOUNG T. TSE

Applicant(s)

UMENO, KEN

Art Unit

2637

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 28 February 2006.
2. ☒ The allowed claim(s) is/are 1-12,26-35 and 37.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

#### In The Specification:

In the amendment to the specification filed on February 28, 2006, the underlines in the paragraph beginning at page 14, line 26 and the paragraph beginning at page 32, line 1 have been deleted by the examiner because newly added paragraphs or sections must not be underlined under 37 CFR 1.121.

#### In The Claims:

In claim 8, line 5, "an despreding section" has been changed to "a despreding section".

In claim 11:

Line 10, "selects sequence" and "and integer" have been changed to "selects the sequence" and "and the integer", respectively.

Line 15, "outputting a" has been changed to "outputting the".

Line 21, "an inverse despreding" has been changed to "a despreding".

Line 30, "receiving sequence" and "and integer" have been changed to "receiving the sequence" and "and the integer", respectively.

In claim 12:

Line 19, "an despreding section" has been changed to "a despreding section".

Line 23, "selects sequence" and "and integer" have been changed to "selects the sequence" and "and the integer", respectively.

Line 28, "outputting a" has been changed to "outputting the".

Line 30, "receiving sequence" and "and integer" have been changed to "receiving the sequence" and "and the integer", respectively.

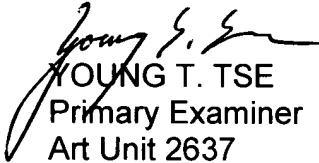
In claim 26, line 3, " $q_2 \dots q_s$ " has been changed to " $q_2, \dots, q_s$ ".

In claim 33, lines 4 and 6, "an output unit" and "an despreding" have been changed to "the output unit" and "a despreding", respectively.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOUNG T. TSE whose telephone number is (571) 272-3051. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
YOUNG T. TSE  
Primary Examiner  
Art Unit 2637

IN THE SPECIFICATION

Please insert the following paragraph beginning at page 14, line 26:

FIGS. 13a and 13b illustrate an embodiment of a transmitter and a receiver according to the present invention.

Please insert the following paragraph beginning at page 32, line 1:

Figure 13a illustrates in more detail an embodiment of the transmitter shown in Figure 9. In particular, the sequence output section 403 includes a selecting section that selects the sequence initial values  $Y_1, Y_2, \dots, Y_s$  and the integer parameters  $p_1, p_2, \dots, p_s$ ; a parameter transmitting section that transmits the selected sequence initial values  $Y_1, Y_2, \dots, Y_s$  and the integer parameters  $p_1, p_2, \dots, p_s$ ; and a pseudo-random number sequence output unit that accepts input of the selected sequence initial values  $Y_1, Y_2, \dots, Y_s$  and the integer parameters  $p_1, p_2, \dots, p_s$  and outputs the pseudo-random number sequence of length N. The remaining elements of Figure 13a correspond the corresponding elements shown in Figure 9.

Similarly, Figure 13b illustrates in more detail an embodiment of the receiver shown in Figure 11. In particular the sequence output section 604 includes a selecting section that selects the sequence initial values  $Y_1, Y_2, \dots, Y_s$  and the integer parameters  $p_1, p_2, \dots, p_s$ ; a parameter transmitting section that transmits the selected sequence initial values  $Y_1, Y_2, \dots, Y_s$  and the integer parameters  $p_1, p_2, \dots, p_s$ ; and a pseudo-random number sequence output unit that accepts input of the selected sequence initial values  $Y_1, Y_2, \dots, Y_s$  and the integer parameters  $p_1, p_2, \dots, p_s$  and outputs the pseudo-random number sequence of length N.